

FullCircleSolar MKS III Off-Grid Inverter



- Pure sine wave solar inverter
- Detachable LCD control module with multiple communications
- Wide DC input range
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485)
- Smart battery charger design for optimized battery performance
- Battery independent function
- Parallel operation up to 9 units



MODEL	FCS-MKS-III-5KW
Rated Power	5000VA/5000W
Parallel Capability	Yes, 9 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Overload capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms @ \geq 200% load
Efficiency (Peak)	93%
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	80 A
PHYSICAL	
Dimension, DxWxH (mm)	140 x 295 x 468
Net Weight (kgs)	120
Communication Interface	USB, RS232, RS485, Bluetooth
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 55°C
Storage Temperature	-15°C - 60°C

Product specifications are subject to change without further notice.